



JFW

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/824,196
	Filing Date	April 14, 2004
	First Named Inventor	T. Douglas Mast
	Art Unit	3737
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	END-5312

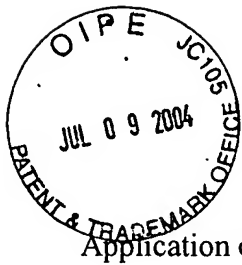
ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Drawing(s) 5 sheets; Figs. 1-6	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	2 Return Postcards
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The Commissioner is hereby authorized to charge any additional fees required (including the fee for any extension of time), or to credit any overpayment, to Deposit Acct. No.: 20-0809.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Thompson Hine LLP 2000 Courthouse Plaza N.E., 10 West Second Street Dayton, Ohio 45402-1758
Signature	<i>Douglas E. Erickson</i>
Date	7/7/04

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Douglas E. Erickson, Reg. No. 29,530
Signature	<i>Douglas E. Erickson</i>
Date	7/7/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : Mast et al.
Application No.: 10/824,196
Filed : April 14, 2004
Title : ULTRASOUND MEDICAL TREATMENT SYSTEM AND METHOD
Docket : END-5312
Art Unit : 3737

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56, the Examiner's attention is directed to the references listed on the attached Information Disclosure Citation. Copies of all foreign patent references and non-patent literature references are provided herewith.

It is to be understood that the present submission of art is in no way intended to be a waiver of any arguments or defenses available to the applicant under the rules of the U.S. Patent and Trademark Office and the statutes of the United States.

No fee is required. However, the Commissioner is authorized to charge any additional fee required by this paper or to credit any overpayment to Deposit Account No. 20-0809.

Respectfully submitted,

Date: July 7, 2004

By: Douglas E. Erickson
Douglas E. Erickson
Reg. No. 29,530

THOMPSON HINE LLP
2000 Courthouse Plaza NE
P.O. Box 8801
Dayton, Ohio 45401-8801
Telephone (937) 443-6814
Facsimile: (937) 443-6635

#346948



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	<i>Application Number</i>	10/824,196
	<i>Filing Date</i>	4/14/04
	<i>First Named Inventor</i>	T. Douglas Mast
	<i>Group Art Unit</i>	3737
	<i>Examiner Name</i>	
	<i>Attorney Docket Number</i>	END-5312

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Kind Code ² Number (if known)				
		Re33,590		Dory	5/21/91	ALL
		4,315,514		Drewes et al.	2/16/82	ALL
		4,323,077		Smith	4/6/82	ALL
		4,484,569		Driller et al.	11/27/84	ALL
		4,646,756		Watnough et al.	3/3/87	ALL
		4,757,820		Itoh	7/19/88	ALL
		4,787,394		Ogura	11/29/88	ALL
		4,818,954		Flachenecker et al.	4/4/89	ALL
		4,858,613		Fry et al.	8/22/89	ALL
		4,932,414		Coleman et al.	6/12/90	ALL
		4,951,653		Fry et al.	8/28/90	ALL
		4,955,365		Fry et al.	9/11/90	ALL
		4,955,366		Uchiyama et al.	9/11/90	ALL
		4,960,107		Aida et al.	10/2/90	ALL
		4,984,575		Uchiyama et al.	1/15/91	ALL
		4,986,275		Ishida et al.	1/22/91	ALL
		5,015,929		Cathignol et al.	5/14/91	ALL
		5,036,855		Fry et al.	8/6/91	ALL
		5,054,470		Fry et al.	10/8/91	ALL
		5,065,740		Itoh	11/19/91	ALL
		5,078,144		Sekino et al.	1/7/92	ALL
		5,080,101		Dory	1/14/92	ALL
		5,080,102		Dory	1/14/92	ALL

		5,095,907		Kudo et al.	3/17/92	ALL
		5,143,073		Dory	9/1/92	ALL
		5,143,074		Dory	9/1/92	ALL
		5,149,319		Unger	9/22/92	ALL
		5,150,711		Dory	9/29/92	ALL
		5,150,712		Dory	9/29/92	ALL
		5,158,070		Dory	10/27/92	ALL
		5,158,071		Umemura et al.	10/27/92	ALL
		5,203,333		Nomura	4/20/93	ALL
		5,209,221		Riedlinger	5/11/93	ALL
		5,240,005		Viebach	8/31/93	ALL
		5,295,484		Marcus et al.	3/22/94	ALL
		5,304,115		Pflueger, Russell et al.	4/19/94	ALL
		5,311,869		Okazaki	5/17/94	ALL
		5,354,258		Dory	10/11/94	ALL
		5,391,140		Schaetzle et al.	2/21/95	ALL
		5,391,197		Burdette et al.	2/21/95	ALL
		5,402,792		Kimura	4/4/95	ALL
		5,409,002		Pell	4/25/95	ALL
		5,431,663		Carter	7/11/95	ALL
		5,435,304		Oppelt et al.	7/25/95	ALL
		5,435,311		Umemura et al.	7/25/95	ALL
		5,443,069		Schaetzle	8/22/95	ALL
		5,448,994		Iinuma	9/12/95	ALL
		5,471,988		Fujio et al.	12/5/95	ALL
		5,474,071		Chapelon et al.	12/12/95	ALL
		5,485,839		Aida et al.	1/23/96	ALL
		5,492,126		Hennige et al.	2/20/96	ALL
		5,514,130		Baker	5/7/96	ALL
		5,520,188		Hennige et al.	5/28/96	ALL
		5,522,869		Burdette et al.	6/4/96	ALL
		5,524,620		Rosenschein	6/11/96	ALL
		5,526,815		Granz et al.	6/18/96	ALL
		5,526,822		Burbank et al	6/18/96	ALL
		5,540,656		Pflueger et al.	7/30/96	ALL

		5,545,195		Lennox et al.	8/13/96	ALL
		5,549,638		Burdette	8/27/96	ALL
		5,569,241		Edwards	10/29/96	ALL
		5,571,088		Lennox et al.	11/5/96	ALL
		5,573,497		Chapelon	11/12/96	ALL
		5,575,772		Lennox	11/19/96	ALL
		5,575,789		Bell et al.	11/19/96	ALL
		5,582,588		Sakurai et al.	12/10/96	ALL
		5,588,432		Crowley	12/31/96	ALL
		5,590,657		Cain et al.	1/7/97	ALL
		5,601,526		Chapelon et al.	2/11/97	ALL
		5,620,479		Diederich	4/15/97	ALL
		5,624,382		Oppelt et al.	4/29/97	ALL
		5,628,743		Cimino	5/13/97	ALL
		5,643,179		Fujimoto	7/1/97	ALL
		5,649,547		Ritchart et al.	7/22/97	ALL
		5,665,054		Dory	9/9/97	ALL
		5,666,954		Chapelon et al.	9/16/97	ALL
		5,676,692		Sanghvi et al.	10/14/97	ALL
		5,687,729		Schaetzle	11/18/97	ALL
		5,694,936		Fujimoto et al.	12/9/97	ALL
		5,697,897		Buchholtz et al.	12/16/97	ALL
		5,699,804		Rattner	12/23/97	ALL
		5,703,922		Rattner	12/30/97	ALL
		5,720,287		Chapelon et al.	2/24/98	ALL
		5,722,411		Suzuki et al.	3/3/98	ALL
		5,728,062		Briskin	3/17/98	ALL
		5,733,315		Burdette et al.	3/31/98	ALL
		5,735,280		Sherman et al.	4/7/98	ALL
		5,735,796		Granz et al.	4/7/98	ALL
		5,738,635		Chapelon et al.	4/14/98	ALL
		5,743,862		Izumi	4/28/98	ALL
		5,743,863		Chapelon	4/28/98	ALL
		5,746, 224		Edwards	5/5/98	ALL
		5,759,162		Oppelt et al.	6/2/98	ALL

		5,762,066		Law et al.	6/9/98	ALL
		5,769,086		Ritchart et al.	6/23/98	ALL
		5,769,790		Watkins et al.	6/23/98	ALL
		5,785,705		Baker	7/28/98	ALL
		5,788,636		Curley	8/4/98	ALL
		5,800,379		Edwards	9/1/98	ALL
		5,807,308		Edwards	9/15/98	ALL
		5,817,021		Reichenberger	10/6/98	ALL
		5,817,049		Edwards	10/6/98	ALL
		5,820,580		Edwards et al.	10/13/98	ALL
		5,823,962		Schaetzle et al.	10/20/98	ALL
		5,836,896		Rosenschein	11/17/98	ALL
		5,840,031		Crowley	11/24/98	ALL
		5,860,974		Abele	1/19/99	ALL
		5,873,828		Fujio et al.	2/23/99	ALL
		5,873,845		Cline et al.	2/23/99	ALL
		5,873,902		Sanghvi et al.	2/23/99	ALL
		5,882,302		Driscoll, Jr. et al.	3/16/99	ALL
		5,895,356		Andrus et al.	4/20/99	ALL
		5,897,495		Aida et al.	4/27/99	ALL
		5,928,169		Schatzle et al.	7/27/99	ALL
		5,938,600		Van Vaals et al.	8/17/99	ALL
		5,938,608		Bieger et al.	8/17/99	ALL
		5,944,663		Kuth et al.	8/31/99	ALL
		5,964,755		Edwards	10/12/99	ALL
		5,984,881		Ishibashi et al.	11/16/99	ALL
		5,984,882		Rosenschein et al.	11/16/99	ALL
		5,993,389		Driscoll, Jr. et al.	11/30/99	ALL
		6,004,269		Crowley et al.	12/21/99	ALL
		6,007,499		Martin et al.	12/28/99	ALL
		6,024,718		Chen et al.	2/15/00	ALL
		6,024,740		Lesh et al.	2/15/00	ALL
		6,039,689		Lizzi	3/21/00	ALL
		6,042,556		Beach et al.	3/28/00	ALL
		6,050,943		Slayton et al.	4/18/00	ALL

		6,066,123		Li et al.	5/23/00	ALL
		6,071,238		Chapelon et al.	6/6/00	ALL
		6,071,239		Cribbs et al.	6/6/00	ALL
		6,083,159		Driscoll, Jr. et al.	7/4/00	ALL
		6,086,535		Ishibashi et al.	7/11/00	ALL
		6,088,613		Unger	7/11/00	ALL
		6,106,517		Zupkas	8/22/00	ALL
		6,113,558		Rosenschein et al.	9/5/00	ALL
		6,117,101		Diederich et al.	9/12/00	ALL
		6,135,963		Haider	10/24/00	ALL
		6,135,971		Hutchinson et al.	10/24/00	ALL
		6,210,330		Tepper	4/3/01	ALL
		6,352,532		Kramer et al.	3/5/02	ALL
		6,371,903		Blanc et al.	4/16/02	ALL
		6,379,320		Lafon et al.	4/30/02	ALL
		6,599,245		Ma et al.	7/29/03	ALL
		2003/0018266		Makin et al.	1/23/03	ALL
		2004/0006336		Swanson	1/8/04	ALL

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	KindCode ⁵				
		JP	10-14967		Shimadzu Corp.	1/20/98	ALL	
		WO	01/45550	A2	Therus Corporation	6/28/01	ALL	
Examiner Signature						Date Considered		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		HILL, C.R. et al., Lesion Development In Focused Ultrasound Surgery: A General Model, Ultrasound in Med. & Biol., 1994, pp. 259-269, Vol. 20, No. 3, Elsevier Science Ltd, New York, USA	
		CLARE, M.C. et al., MRI Guided Focused Ultrasound Surgery (FUS) of uterine leiomyomas: A Feasibility Study, Workshop on MRI-Guided: Focused Ultrasound Surgery, 2002, Syllabus, International Society for Magnetic Resonance in	

		Medicine	
		VAEZY, S. et al., Treatment Of Uterine Fibroid Tumors In A Nude Mouse Model Using High-Intensity Focused Ultrasound, Am J Obstet Gynecol, 2000, pp. 6-11, Vol. 183, No. 1	
		Cool-tip™ RF Radio Frequency Ablation System, web page from radionics.com	
		Electrosurgical Devices, RF Generator and RITA Base Software, web pages from ritamedical.com	

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.